

CLAIM AMENDMENTS

1 1. (currently amended) A system for preventing
2 accidents in the operation of a monitored machine or apparatus
3 ~~[[(56)]]~~ carried by a user, ~~[[with]]~~ the system comprising:
4 at least one user end device or terminal ~~[[(2)]]~~ with
5 ~~[[an]]~~ output means ~~unit (10)~~ ~~for the transmission of~~ transmitting
6 authorizing user data signals through the body of ~~[[a]]~~ the user,
7 and
8 at least one signal receiver ~~[[(28)]]~~ assigned to the
9 monitored apparatus or machine ~~[[(56)]]~~ and having ~~[[an]]~~
10 interface unit means ~~[[(30)]]~~ for receiving the
11 authorizing data signals transmitted through
12 the body of the user, unit
13 means ~~[[(36-40, 44-48)]]~~ for checking testing the
14 received ~~[[user]]~~ data signals, ~~dealing with~~
15 ~~authorization and units (42, 50, 54)~~
16 means for outputting a clearance signal that allows
17 ~~[[an]]~~ operation of the ~~at least one~~ monitored
18 machine or apparatus ~~[[(56)]]~~ after a
19 successful test of the received authorizing
20 user data, and ~~whereby the signal receiver~~
21 ~~[[(28)]]~~ ~~is equipped and programmed to~~
22 ~~terminate the~~

23 means for terminating output of the clearance signal
24 following a successful test of the
25 authorization data, when subsequent tests of
26 the authorization data fail.

1 2. (currently amended) The system according to claim 1
2 wherein the output unit ~~(10)~~ means of the user end device or
3 terminal ~~[(2)]~~ comprises ~~[[a]]~~ coupling unit ~~(4)~~ means for the
4 inductive ~~[[and/]]~~ or capacitive coupling of the authorizing user
5 data signal into the body of the user.

1 3. (currently amended) The system according to claim 1
2 in which the output unit ~~(10)~~ means of the user end device or
3 terminal ~~[(2)]~~ has a contact region ~~[(6)]~~ for direct coupling
4 of the authorizing user data signal ~~[[in]]~~ to the body of the user
5 ~~[[and/]]~~ or a signal output ~~[(8)]~~ for transmitting the
6 authorizing data signals ~~comprising the authorization user data~~ to
7 a device directly connected with the body of the ~~[[first]]~~ user.

8 4. (currently amended) The system according to claim 1
9 in which the user end device or terminal ~~[(2)]~~ is equipped and
10 programmed to transmit signals ~~which comprise~~ comprising a code
11 giving authorization to the user and control commands for
12 controlling the signal receiver ~~[(28)]~~.

1 5. (currently amended) The system according to claim 1
2 in which the interface ~~unit~~ means [(30)] of the signal receiver
3 [(28)] comprises [a] ~~contact-sensitive unit which receives~~
4 means for receiving the signals from the user end device or
5 terminal [(2)] upon contact of the contact-sensitive ~~unit~~ means
6 with the user.

1 6. (currently amended) The system according to claim 1
2 in which the interface [(30)] of the signal receiver [(28)] has
3 [an] inductive [and/] or capacitive ~~unit~~ means for receiving
4 the signals of the user end device or terminal [(2)] by means of
5 inductive [and/] or capacitive signal transmission.

1 7. (currently amended) The system according to claim 1
2 in which the ~~unit~~ means [(36-40, 44-48)] of the signal receiver
3 [(28)] for testing the authorizing data signal [,] comprise a
4 correspondence register [(46)] with at least two storage or
5 memory locations or data for testing the authorizing data signal.

1 8. (currently amended) The system according to claim 1
2 wherein [which] the signal receiver [(28)] is equipped and
3 programmed depending upon the signal received ~~signal~~ from the user
4 end device or terminal [(2)] to access data for testing the data
5 to serve as authorization data.

1 9. (currently amended) The system according to claim 1
2 ~~wherein which at least one~~ the user end device ~~[[2]]~~ is arranged
3 in or on protective clothing.

1 10. (currently amended) A user end device or terminal
2 ~~[[2]]~~ for use with the system according to claim 1 with ~~[[an]]~~
3 the output unit ~~(10)~~ means for transmitting authorizing data
4 signals through this body of a user.

1 11. (currently amended) A user end device or terminal
2 ~~[[2]]~~ according to claim ~~10~~ ~~with the features according to one of~~
3 ~~claims 2 [[- 4]]~~.

1 12. (currently amended) A user end device or terminal
2 ~~[[2]]~~ according to claim 10, for arrangement on or in protective
3 clothing.

1 13. (currently amended) A signal receiver ~~[[28]]~~ for
2 use with the system according to claim 1 ~~with: an interface (30)~~
3 ~~for receiving through a body of a user signals comprising~~
4 ~~authorization data and transmitted through the body of the user,~~
5 ~~units (36-40, 44-48) for testing the received authorizing data, and~~
6 ~~units (42, 50, 54) for producing a clearance signal upon a~~
7 ~~successful test of the authorizing data, whereby the signal~~
8 ~~receiver (28) is equipped and programmed to terminate the clearance~~

9 ~~signal outputted as a result of a successful test of the~~
10 ~~authorizing data when subsequent tests of the authorizing data~~
11 ~~fail.~~

1 14. (currently amended) The signal receiver [[(28)]]
2 according to claim 13 ~~with the features according to one of claims~~
3 5 [[- 9]].

1 15. (currently amended) Protective clothing, like for
2 example a protective helmet, protective glasses or goggles, safety
3 shoes and the like with the user end device or terminal [[(2)]]
4 according to claim 10.

1 16. (currently amended) A device or apparatus like a
2 household appliance, electric and mechanical tool, machine tool or
3 the like with the signal receiver [[(28)]] according to claim 13.

1 17. (currently amended) The system defined in claim 1,
2 further comprising:
3 a hand grip device ~~[[with]]~~ having
4 a ~~hand grip based~~ body including a hand grip outer
5 surface ~~(7) which is engaged~~ engageable by an
6 inner surface of ~~[[the]]~~ hand of the user and
7 ~~[[has]]~~ having a segment forming a hand rest
8 for the inner surface, and whereby
9 in the region of the hand inner surface rest at
10 least one pressure-sensitive zone ~~(8) is formed~~
11 for generating a signal indicating the hand
12 grip gripping state and constituting the
13 authorizing at least one of the authorizing
14 data signals.

1 18. (currently amended) The hand grip arrangement of
2 claim 17 ~~, characterized in that it includes~~ wherein the surface
3 has a plurality of the pressure-sensitive zones ~~[[8]]~~.

1 19. (currently amended) The hand grip device according
2 to claim 17 ~~characterized in that~~ wherein the pressure-sensitive
3 zone forms part of a fluid chamber system ~~[[9]]~~.

1 20. (currently amended) The hand grip ~~device~~ according
2 to claim ~~17, characterized in that~~ 19 wherein the pressure_
3 sensitive zone is formed by an elastically deformable pressure
4 chamber wall.

1 21. (currently amended) The hand grip ~~device~~ according
2 to claim ~~17, characterized in that~~ 19 wherein the pressure chamber
3 is filled with a liquid, gel or gas.

1 22. (currently amended) The hand grip ~~device~~ according
2 to claim ~~17, characterized in that~~ 19 wherein the pressure chamber
3 is coupled with a switch device.

1 23. (currently amended) The hand grip ~~device~~ according
2 to claim ~~17, characterized in that~~ 19 wherein the pressure chamber
3 is coupled with a pressure_measurement device.

1 24. (currently amended) The hand grip ~~device~~ according
2 to claim ~~17, characterized in that~~ wherein the hand grip ~~device~~ in
3 the region of the hand inner surface rest has pressure_sensitive
4 zones in the hand ball rest region and in a finger inner surface
5 rest region.

1 25. (currently amended) The hand grip ~~device~~ according
2 to claim 17 ~~, characterized in that~~ wherein in the region of the
3 hand grip ~~device~~ a plurality of individual finger inner surface
4 pressure-sensitive zones are provided.

1 26. (currently amended) The hand grip ~~device~~ according
2 to claim 17, further comprising ~~characterized in that~~ in the region
3 of the hand grip ~~device~~ an orientation-detecting device is
4 provided.

1 27. (currently amended) The hand grip ~~device~~ according
2 to claim 17 ~~, characterized in that~~ wherein the hand grip ~~device~~ is
3 a hand grip of a drill.

1 28. (previously presented) The hand grip ~~device~~
2 according to claim 17 ~~in which a signal transmitting device is~~
3 ~~coupled a signal to the user~~ wherein the output means is in the
4 body.

1 29. (currently amended) The hand grip ~~device~~ according
2 to claim 28 ~~characterized in that the signal transmitter device~~ the
3 output means is so configured that it effects a signal coupling on
4 the basis of electrostatic interaction.

1 30. (currently amended) The hand grip ~~device~~ according
2 to claim 17, ~~characterized in that in the hand grip device~~ further
3 comprising a signal-modulating device ~~is provided~~ for the
4 modulation of the authorizing data signal ~~imitated by the coupling~~
5 ~~device~~.

1 31. (currently amended) The hand grip ~~device~~ according
2 to claim 17, ~~characterized in that~~ wherein the signal is so
3 modulated that it contains a dated telegram.

1 32. (currently amended) A power driven tool with a
2 housing ~~device~~, a first hand grip ~~device~~ (105) according to claim
3 17, a second hand grip ~~device~~ (106) also according to claim 17 and
4 a device for detecting the gripping state for producing a signal
5 indicating the gripping state of the device tool.